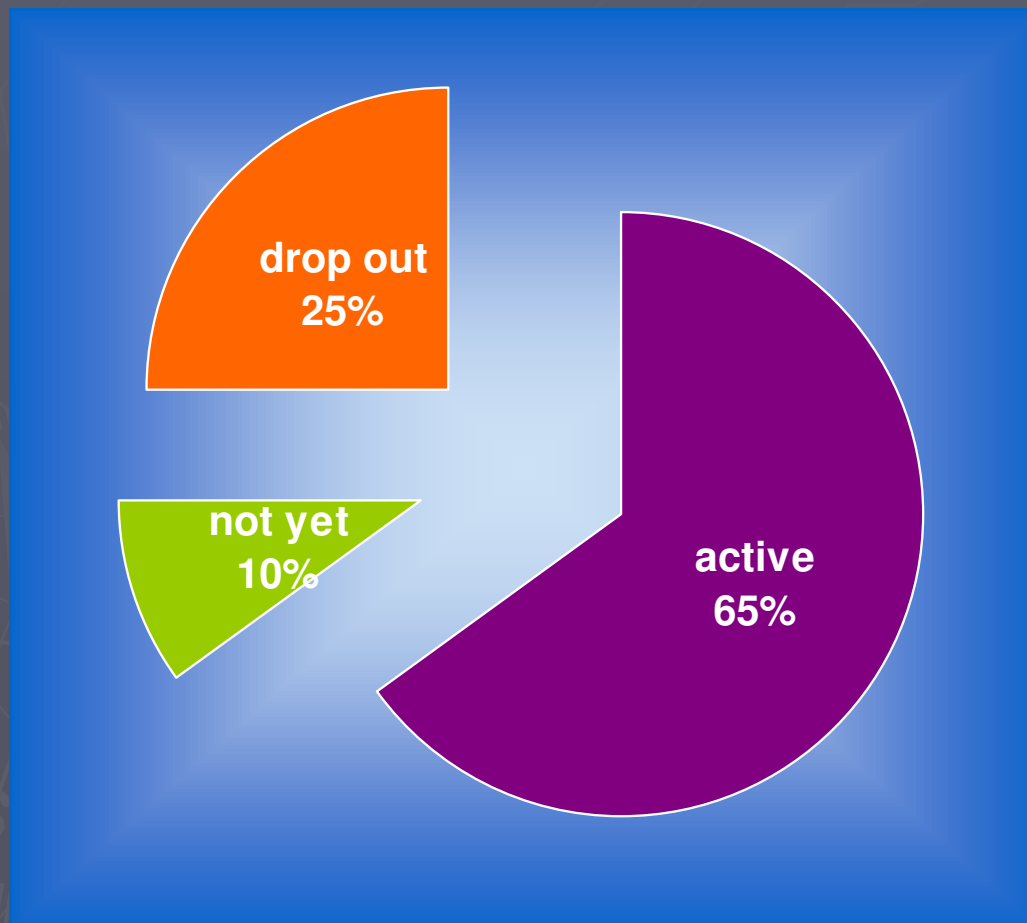


How to keep schools in GLOBE?

Diana Garasic, CC Croatia
Education and Teacher Training Agency

San Antonio, July 2007.

There are 100 GLOBE schools in Croatia.



About 70 % of those are active and are currently reporting the data.

The number of active schools varies over one school year

- ▶ as the Annual GLOBE students' & teachers conference approaches (in May), some "sleeping" schools wake up!
- ▶ after the Conference, some fall asleep again



This year we had 10-th Croatian annual GLOBE conference

- ▶ Our Annual GLOBE conference is part of the Program of national students' competitions, and therefore financed by Ministry of education
 - number of participants is limited to 200 (150 students and 50 teachers from 50 schools)!
- ▶ This year, for the first time we had to select the schools for the conference - couldn't accept all of those who were active in previous months
 - Annual conference is the main force that brings energy to Croatian GLOBE schools

Why?

- ▶ Schools present their work in GLOBE in last year (posters)
 - Best are awarded – 10 this year
- ▶ Schools can present their research projects (optional)
 - Best are awarded – 13 this year
- ▶ Each schools' team (3 students) participate in competition (survey and questions on GLOBE protocols)
 - First 3 teams are awarded (in lower and upper level)
- ▶ Teachers and students meet, exchange the experiences and have lots of fun

Additionally

- ▶ All costs for students and teachers are covered by the Ministry of education
- ▶ Participation in National Annual conference and competition draws the attention of school principal and local authorities
- ▶ GLOBE teachers from awarded schools gain acknowledgments for their work in their surroundings
- ▶ Awards are on paper (signed by the minister) and in pieces of GLOBE equipment

Selection of GLOBE schools

- ▶ Schools status report – brought by CC
- ▶ Invitation letter to active schools for participation on regional conferences
- ▶ In 5 regional centers schools present their work in last year on posters, which should be structured in obligatory sections
- ▶ Regional committees evaluate poster presentations according to the common criteria



Research projects

- ▶ On regional conference school should deliver the project summary (description)
- ▶ Projects are distributed to 3 – 4 scientists, according to the content
- ▶ Scientists communicate with schools in order to advise how to improve the project and presentation (if needed)
- ▶ Project description are posted on Croatian GLOBE web site – and we want to publish good GLOBE projects

GLOBE competition

- ▶ Aim is to promote
 - field work and hands on activities
 - applicable knowledge
 - skills
 - team work
 - critical thinking

Start point

The team is receiving the map and the final instruction about the rules of competition



- ▶ Team should find 5 hidden control points and the goal as quickly as they can – time is measured
- ▶ They have the map and the sheet for answers – they will find the questions on each point
- ▶ They can look at the questions when all members of the team gather on the control point





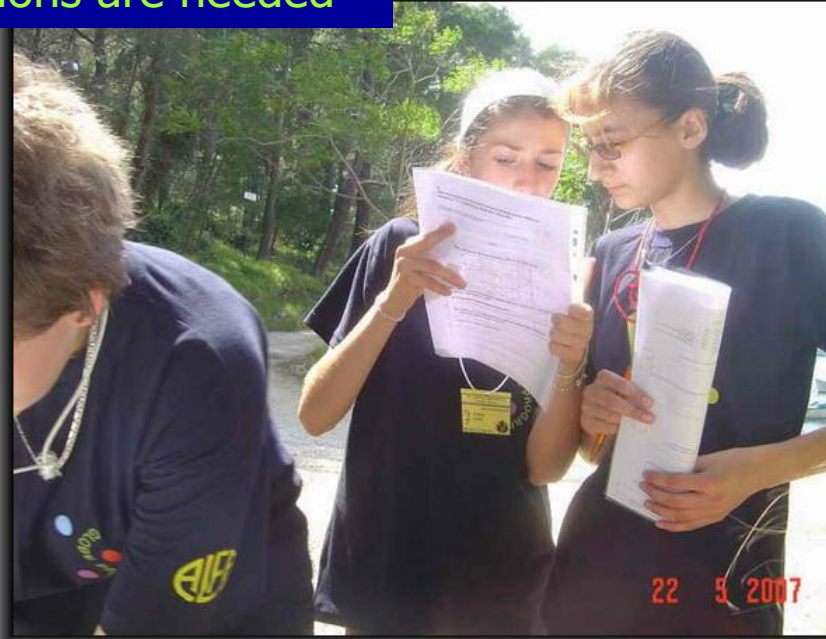
Staff on the control point preparing the sheets with questions and practical tasks

Staff should see that answers are written down at the control point





Intensive consultations are needed



Awards

- ▶ GPS
- ▶ pH checker
- ▶ Balance
- ▶ Water chemistry kit
- ▶ Transparency tube
- ▶ Thermometer
- ▶ Books and CD-s



Who is paying?

- ▶ Ministry of environment protection (partner in GLOBE implementation)
- ▶ Sponsors (mostly provided by hosting school)



TT and meetings – also important

- ▶ Once a year:
 - initial GLOBE training (3 days)
 - Advanced GLOBE teacher training (2 days)
- ▶ Initial GLOBE trainings are announced in annual TT catalogue and are open for all teachers (without obligation to join GLOBE)
- ▶ After training they should report on it to the school and decide if they want to join in

Additional trainings

- ▶ Twice each year
- ▶ Content: according to teachers' expressed needs or/ and other important topics
 - Knowledge refreshment
 - Data analyses
 - How to lead students' research project?
 - How to make good/ interesting/ informative presentation?
 - How to address sponsors?
 - Modern teaching techniques
 - Presentations on successful stories – teaching each other

Meetings and experience exchanges

- ▶ This winter we had 2 – days meeting on the topic of **ESD**
 - **Quality criteria on ESD presented**, as well as some modern teaching techniques
 - **Participants' presentations** on various aspects of GLOBE implementation
 - **Round tables on**
 - ▶ What can we improve in our GLOBE?
 - ▶ New technology – virtual posters
 - ▶ Teachers' working time for GLOBE
- ▶ School principals' meetings – we had 3
 - **Very efficient – they understood better what is GLOBE, what are educational benefits and how it could contribute to the school image (vocational schools!)**
 - **Principals are not easy to reach!**
 - **Successful GLOBE schools have principals that support GLOBE and appreciate its value**

But most important of all is



Good atmosphere

Mutual support

GLOBE friendships